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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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| Complete if Known | |
|------------------------|---------------|
| Application Number | 10/630,262 |
| Filing Date | JULY 30, 2003 |
| First Named Inventor | HUANG ET AL. |
| Group Art Unit | UNKNOWN 1631 |
| Examiner Name | UNKNOWN MORAN |
| Attorney Docket Number | CL1942 US NA |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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| Examiner Initials * | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| MM | | Mirkin, C. et al., A DNA-based method for rationally assembling nanoparticles into macroscopic materials, Nature, Vol. 382, August 1996, pg. 607 | |
| | | Yun, C. et al., Enzymatic Manipulation of DNA-Nanomaterial Constructs, JACS 2002, 124(26), 7644-7645 | |
| | | Mucic, R. et al., DNA-Directed Synthesis of Binary Nanoparticles Network Materials, JACS, 1998, 120, pg. 12674-12675 | |
| | | Alivisatos et al., Organization of nanocrystal molecules using DNA, Nature, Vol. 382, Aug. 1996, pg. 609 | |
| | | Kim et al., Getting a handhold on DNA: Design of poly-zinc finger proteins with femtomolar dissociation constants, Proc. Natl. Acad. Sci. USA, 1998, March 17, 95(6), 2812-7 | |
| | | Wolfe et al., Annu Rev. Biophys Biomol Struct. 2000; 29: 183-212 | |
| | | Chen et al., Poly(N-vinylisobutyramide)-stabilized platinum nanoparticles: synthesis and temperature-responsive behavior in aqueous solution, Colloids and Surfaces A 169: 107-116, 2000 | |
| | | Wuelfing et al., Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte, J. Am. Chem. Soc. 120: 12696-12697, 1998 | |
| | | Chan et al., Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection, Science 281: 2016-2018, 1998, | |
| | | Mitchell et al., Programmed Assembly of DNA Functionalized Quantum Dots, J. Am. Chem. Soc. 121: 8122-8123, 1999 | |
| | | Napper, Steric Stabilization, J. Colloid. Interface. Sci 58, 390-407, 1977 | |
| ▼ | | Niemeyer et al., Nucleic Acid Supercoiling as a Means for Ionic Switching of DNA - Nanoparticle Networks, CHEMBIOCHEM, 2001, PP. 260-264 | |
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| Examiner Signature | /Marjorie Moran/ | Date Considered | 12/26/2006 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Sheet 1 of 2

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|--------------------------|---------------|
| Application Number | 10/630,262 |
| Filing Date | July 30, 2003 |
| First Named Inventor | Huang et al. |
| Group Art Unit | Unknown 1631 |
| Examiner Name | Unknown MORAN |
| Attorney Docket Number | CL1942 US NA |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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| Examiner Signature | /Marjorie Moran/ | Date Considered | 12/26/2006 |
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| Examiner Signature | /Marjorie Moran/ | Date Considered | 12/26/2006 |
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